

# Relationship between DNA methylation and cell proliferation in *Trypanosoma cruzi*

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5-Azacytidine treatment of *T. cruzi* epimastigotes in culture induces active cell proliferation. This effect was detected as an increase in the cell number and [3H-methyl]thymidine incorporation into DNA. 5-Azacytidine does not alter other metabolic parameters. We have previously demonstrated that 5-azacytidine induces DNA hypomethylation in *T. cruzi*. Accordingly, we suggest that this chemical modification may be related to the control of *T. cruzi* cell division. © 1991.